

DESCRIPTION

PMI MODEL SAA-500M18G-25DB-SFF IS A SWITCHED BIT ATTENUATOR OPERATING FROM 0.5 TO 18 GHz. DESIGNED TO BE SWITCHED BETWEEN A LOW LOSS STATE (2 dB LOSS TYPICAL) AND HIGH LOSS STATE (25 dB LOSS TYPICAL). THE SETTINGS ARE SELECTED BY A SINGLE CONTROL BIT.

SPECIFICATIONS

- FREQUENCY RANGE:..... 0.5 TO 18 GHz
- ATTENUATION:..... 25dB $\pm$ 2.75dB NOMINAL
- INSERTION LOSS:..... 3dB MAX
- SWITCHING SPEED:..... 100ns MAX
- TTL CONTROL:..... "0"=INSERTION LOSS
"1"=25dB ATTENUATION
- INPUT POWER:..... +20dBm CW MAX
- VSWR:..... 2.0:1 MAX
- DC VOLTAGE:..... +5VDC @ 50mA
-5VDC @ 50mA
- CONNECTORS:..... SMA (F) REMOVABLE
- SIZE:..... 1.00" X 0.70" X 0.35"
- FINISH:..... BLUE EPOXY PAINT

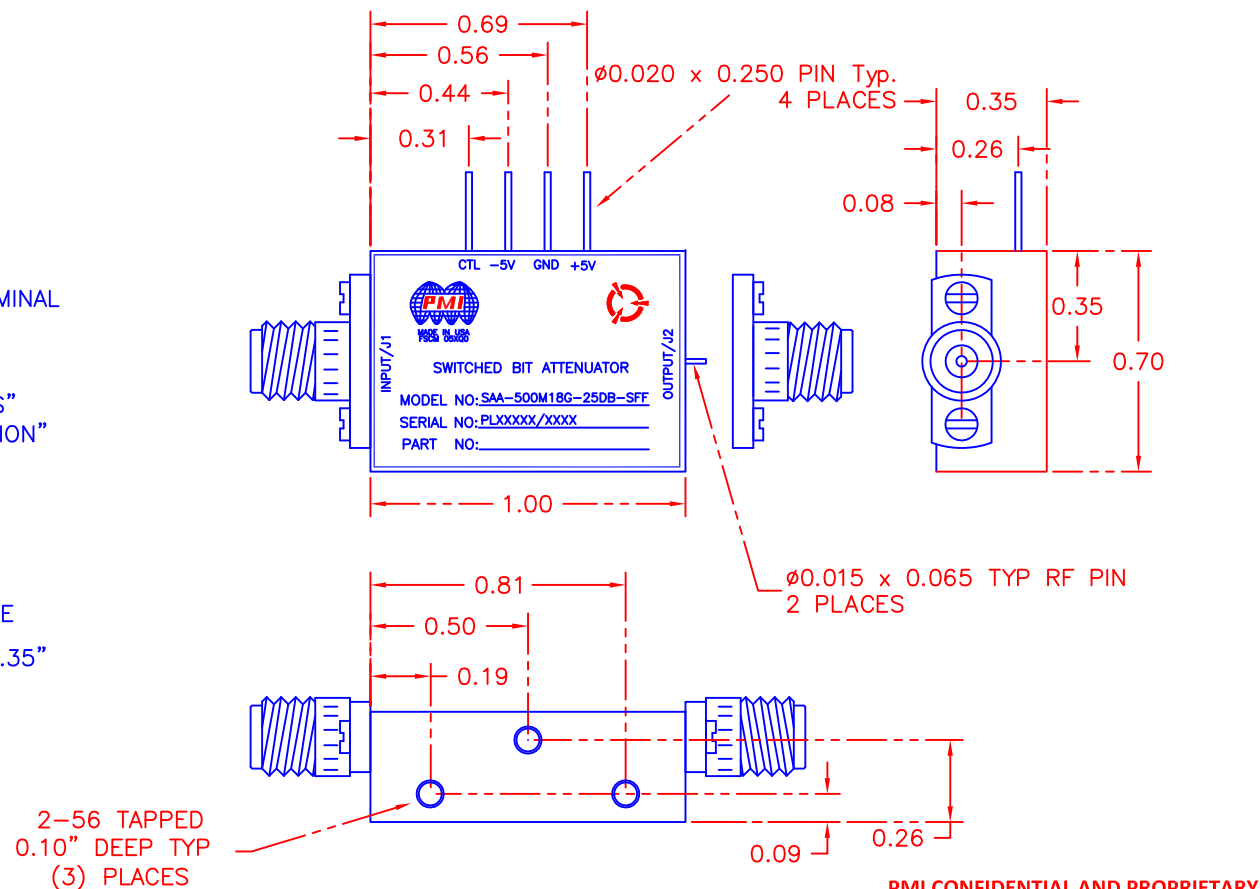
ENVIRONMENTAL RATINGS:

- TEMPERATURE:..... -20°C TO +70°C (OPERATING)
-65°C TO +125°C (STORAGE)
- HUMIDITY:..... MIL-STD-202F, METHOD 103B COND. B
- SHOCK:..... MIL-STD-202F, METHOD 213B COND. B
- VIBRATION:..... MIL-STD-202F, METHOD 204D COND. B
- ALTITUDE:..... MIL-STD-202F, METHOD 105C COND. B
- TEMPERATURE CYCLE:..... MIL-STD-202F, METHOD 107D COND. A

NOTE: SPECIFICATIONS WILL VARY OVER OPERATING TEMPERATURE
NOTE: THE ABOVE SPECIFICATIONS ARE SUBJECT TO CHANGE OR REVISION

ALL DIMENSIONS ARE IN INCHES
TOLERANCES:
X.XX $\pm$ 0.02
X.XXX $\pm$ 0.010

REVISIONS			
ZONE	REV.	DESCRIPTION	DATE
	—	PRELIMINARY	10/16/14



PMI CONFIDENTIAL AND PROPRIETARY

PLANAR MONOLITHICS INDUSTRIES, INC.

7311-F GROVE ROAD
FREDERICK, MARYLAND 21704 USA
TEL: 301-662-5019 FAX: 301-662-1731
WEBSITE: www.pmi-rf.com
E-MAIL: sales@pmi-rf.com
ISO 9001 CERTIFIED



APPROVALS		DATE		TITLE	
DRAWN K. MAYON		10/16/14		MECHANICAL OUTLINE SAA-500M18G-25DB-SFF	
REVISED				0.5 - 18 GHz SWITCHED BIT ATTENUATOR	
ISSUED				PRELIMINARY	
SIZE A		FSCM NO. 05XQ0		DWG NO. PRELIMINARY	
SCALE N:S				SHEET 1 OF 1	